

CLAIMS:

We claim:

1. A process for preparing a mixed solvent adhesive solution comprising:

- a) mixing an alcohol and a polymer to form an adhesive solution;
- b) mixing a charge transporting molecule and an acetate to form a charge transport solution;
- c) adding the charge transport solution of (b) to the adhesive solution of (a) to form a mixed solvent solution;
- d) mixing an electrically conductive filler and a solvent to form a filled solvent solution; and
- e) mixing said filled solvent solution of (d) to said mixed solvent solution of (c) so as to form a mixed solvent adhesive solution.

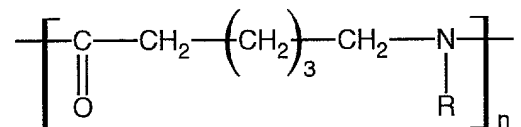
2. A process for preparing a mixed solvent adhesive solution in accordance with claim 1, wherein said polymer is a polyamide.

3. A process for preparing a mixed solvent adhesive solution in accordance with claim 2, wherein said polyamide is an alcohol-soluble polyamide.

4. A process for preparing a mixed solvent adhesive solution in accordance with claim 3, wherein said alcohol-soluble polyamide comprises pendant groups selected from the group consisting of methoxy, ethoxy and hydroxy pendant groups.

5. A process for preparing a mixed solvent adhesive solution in accordance with claim 4, wherein said pendant groups are methylene methoxy pendant groups.

6. A process for preparing a mixed solvent adhesive solution in accordance with claim 1, wherein said polyamide has the following general formula:



wherein R is selected from the group consisting of hydrogen, alkyl having from about 1 to about 20 carbons, alkoxy having from about 1 to about 20 carbons, alkyl alkoxy having from about 1 to about 20 carbons, and alkylene alkoxy having from about 1 to about 20 carbons, and wherein n is a number of from about 50 to about 1,000.

7. A process for preparing a mixed solvent adhesive solution in accordance with claim 6, wherein R is a methylene methoxy group.

8. A process for preparing a mixed solvent adhesive solution in accordance with claim 1, wherein said alcohol is selected from the group consisting of methanol, ethanol, propanol, and butanol.

9. A process for preparing a mixed solvent adhesive solution in accordance with claim 1, wherein said acetate is selected from the group consisting of methyl acetate, ethyl acetate, propyl acetate, and butyl acetate.

10. A process for preparing a mixed solvent adhesive solution in accordance with claim 1, wherein said solvent is selected from the group consisting of alcohols and acetates.

17. A process for preparing a mixed solvent adhesive solution in accordance with claim 1, wherein said process further comprises adding a nonionic surfactant along with the electrically conductive filler and a solvent in c).

18. A process in accordance with claim 17, wherein said nonionic surfactant is a fluorosurfactant.

19. A process for preparing a mixed solvent adhesive solution in accordance with claim 1, wherein said process further comprises subsequent to (c):

i) mixing a crosslinking agent to the mixed solvent adhesive solution formed in (c) so as to form a crosslinked adhesive in solution.

20. A process for preparing a mixed solvent adhesive solution in accordance with claim 19, wherein said crosslinking agent is selected from the group consisting of oxalic acid, p-toluene sulfonic acid, phosphoric acid, sulfuric acid, and mixtures thereof.

21. A process for preparing a mixed solvent adhesive solution comprising:

- a) mixing an alcohol and a polymer to form an adhesive solution;
- b) mixing a charge transporting molecule and a solvent other than alcohol so as to form a charge transport solution;
- c) adding the charge transport solution of (b) to the adhesive solution of (a) to form a mixed solvent solution;
- d) mixing an electrically conductive filler and a solvent to form a filled solvent solution; and
- e) mixing said filled solvent solution of (d) to said mixed solvent solution of (c) so as to form a mixed solvent adhesive solution.

22. A process for preparing a mixed solvent adhesive solution comprising:

a) mixing an alcohol and a polyamide adhesive to form an adhesive solution;

b) mixing a charge transporting molecule and an acetate so as to form a charge transport solution;

c) adding the charge transport solution of (b) to the adhesive solution of (a) to form a mixed solvent solution;

d) mixing an electrically conductive filler and a solvent to form a filled solvent solution; and

e) mixing said filled solvent solution of (d) to said mixed solvent solution of (c) so as to form a mixed solvent adhesive solution.

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